



**INFORMATION DISCLOSURE OPERATION**  
(Use several sheets if necessary)

ATTY DOCKET NO.  
NCRC-0038-US

SERIAL NO.  
09/842,991

APPLICANT(S):  
GANG LUO, CURT J. ELLMANN, JEFFREY F. NAUGHTON

FILING DATE:  
March 26, 2001

GROUP ART UNIT:

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A.						

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
B.					

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

cc	C.	R. Avnur et al., "Eddies: Continuously Adaptive Query Processing", SIGMOD Conf. 2000: 261-272
cc	D.	D. Bitton et al., "Benchmarking Database Systems a Systematic Approach", VLDB 1983: 8-19
cc	E.	J. Chen et al., "NiagaraCQ: A Scalable Continuous Query System for Internet Databases", SIGMOD Conf. 2000: 379-390
cc	F.	D. DeWitt et al., "A Performance Analysis of the Gamma Database Machine", SIGMOD Conf. 1988: 350-360
cc	G.	D. DeWitt et al., "Client-Server Paradise", VLDB 1994: 558-569
cc	H.	D. DeWitt et al., "Parallel Sorting on a Shared-Nothing Architecture Using Probabilistic Splitting", Proc. Of the Intl. Conf. On Parallel and Distributed Information Systems (PDIS) 1991: 280-291
cc	I.	D. DeWitt et al., "An Evaluation of Non-Equijoin Algorithms", VLDB 1991: 443-452
cc	J.	G. Graefe, "Query Evaluation Techniques for Large Databases", ACM Comput. Surveys, 25(2):73-170, June 1993
cc	K.	P. Haas, "Hoeffding Inequalities for Join-Selectivity Estimation and Online Aggregation", IBM Research Report RJ10040, 1996
cc	L.	P. Haas, "Large-Sample and Deterministic Confidence Intervals for Online Aggregation", Proc. Ninth Intl. Conf. Scientific and Statistical Database Management, 1997, pages 51-62
cc	M.	P. Haas et al., "Join Algorithms for Online Aggregation", IBM Research Report RJ10126, 1998
cc	N.	P. Haas, "Hoeffding Inequalities for Online Aggregation", Proc. Interface '99
cc	O.	P. Haas, "Techniques for Online Exploration of Large Object-Relational Datasets", Proc. 11 <sup>th</sup> Intl. Conf. Scientific and Statistical Database Management, 1999: 4-12.
cc	P.	J. Hellerstein et al., "Interactive Data Analysis: The Control Project", IEEE Computer, 32, August 1999: 51-59
cc	Q.	J. Hellerstein et al., "Informix under CONTROL: Online Query Processing", Data Mining and Knowledge Discovery, 2000
cc	R.	J. Hellerstein, "Online Processing Redux", IEEE Data Engineering Bulletin, September 1997
cc	S.	J. Hellerstein, "Looking Forward to Interactive Queries", Database Programming and Design, August 1998

EXAMINER

Chongshan chen

DATE CONSIDERED

5/15/03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)



ATTY DOCKET NO. NCRC-0038-US	SERIAL NO. 09/842,991
APPLICANT(S): GANG LUO, CURT J. ELLMANN, JEFFREY F. NAUGHTON	
FILING DATE: March 26, 2001	GROUP ART UNIT:

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
T.						

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
U.						

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

cc	V.	J. Hellerstein et al., "Adaptive Query Processing: Technology in Evolution", IEEE Data Engineering Bulletin, June 2000
cc	W.	P. Haas et al., "Ripple Joins for Online Aggregation", SIGMOD Conf. 1999: 287-298
cc	X.	J. Hellerstein et al., "Online Aggregation", SIGMOD Conf. 1997: 171-182
cc	Y.	C. Hidber, "Online Association Rule Mining", SIGMOD Conf. 1999: 145-156, May 20, 1998
cc	Z.	Z. Ives et al., "An Adaptive Query Execution System for Data Integration", SIGMOD Conf. 1999: 299-310
cc	AA.	J. Naughton et al., "The Niagara Internet Query System", submitted for publication, 2000
cc	BB.	F. Olken, "Random Sampling from Databases", Ph.D. Dissertation, UC Berkeley, April 1993, available as Tech. Report LBL-32883, Lawrence Berkeley Laboratories
cc	CC.	H. Pang et al., "Partially Preemptible Hash Joins", SIGMOD Conf. 1993: 59-68
cc	DD.	H. Pang et al., "Memory-Adaptive External Sorting", VLDB 1993: 618-629
cc	EE.	J. Patel et al., "Clone Join and Shadow Join: Two Parallel Algorithms for Executing Spatial Join Operations", Technical Report, University of Wisconsin, CS-TR-99-1403, August 1999
cc	FF.	K. Ramasamy et al., "Set Containment Joins: The Good, The Bad and the Ugly", VLDB 2000
cc	GG.	V. Raman et al., "Online Dynamic Reordering for Interactive Data Processing", VLDB 1999
cc	HH.	D. Schneider et al., "A Performance Evaluation of Four Parallel Join Algorithms in a Shared-Nothing Multiprocessor Environment", SIGMOD Conf., 7/10/92, 110-121
cc	II.	S. Seshadri et al., "Sampling Issues in Parallel Database Systems", Proc. Of the Intl. Conf. on Extending Database Technology (EDBT) 1992: 328-343
cc	JJ.	A. Shatdal et al., "Adaptive Parallel Aggregation Algorithms", SIGMOD Conf. 1995: 104-114
cc	KK.	K. Tan et al., "Online Feedback for Nested Aggregate Queries with Multi-Threading", VLDB 1999, pp. 18-29
cc	LL.	T. Urhan et al., "XJoin: Getting Fast Answers from Slow and Bursty Networks", Technical Report, CS-TR-3994, UMIACS-TR-99-13, February 1999
	MM.	

EXAMINER <i>Chongshan Chen</i>	DATE CONSIDERED <i>5/15/03</i>
-----------------------------------	-----------------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.